

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)					ATTY. DOC. NO. 44046.203.235		SERIAL NO. 10/087,662	
					APPLICANT Hartig, et al.			
					FILING March 1, 2002		GROUP 1772	

OIPE  
 FEB 13 2003  
 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
GBR	3,962,488	8 Jun. 1976	Gillery	427	109	<b>RECEIVED</b> <b>FEB 19 2003</b> <b>TC 1700</b>	
GBR	4,166,018	28 Aug. 1979	Chapin	204	192		
GBR	4,619,729	28 Oct. 1986	Johncock et al.	156	608		
GBR	4,737,252	12 Apr. 1988	Hoffman	204	192		
GBR	4,737,379	12 Apr. 1988	Hudgens et al.	427	39		
GBR	4,790,922	13 Dec. 1988	Huffer	204	192		
GBR	4,806,220	21 Feb. 1989	Finley	204	192		
GBR	4,919,778	24 Apr. 1990	Dietrich et al.	204	192		
GBR	5,201,926	13 Apr. 1993	Szczyrbowski et al.	65	60		
GBR	5,288,527	22 Feb. 1994	Jousse et al.	427	579		
GBR	5,302,449	12 Apr. 1994	Eby et al.	428	336		

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

EXAMINER 	DATE CONSIDERED 12/13/02
--------------	-----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)					ATTY. DOCKET NO. 44046.203.235		SERIAL NO. 10/087,662			
					APPLICANT Hartig, et al.				<b>RECEIVED</b> <b>FEB 19 2003</b> <b>TC 1700</b>	
					FILING March 1, 2002		GROUP			

OIP A JC109 300  
 FEB 13 2003  
 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
GPR	5,344,718	6 Sep. 1994	Hartig et al.	428	623		
GPR	5,394,269	28 Feb. 1995	Takamatsu et al.	359	580		
GPR	5,424,130	13 Jun. 1995	Nakanishi et al.	428	410		
GPR	5,645,699	8 Jul. 1997	Sieck	204	192		
GPR	6,060,178	9 May 2000	Krisko	428	627		
GPR	6,231,999	15 May 2001	Krisko	428	627		
GPR	2002/0102352	1 Aug. 2002	Hartig et al.	427	165	Dec. 1, 2000	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

EXAMINER 	DATE CONSIDERED 12/13/23
--------------	-----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary) <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> <div style="text-align: center;"> <b>U.S. PATENT &amp; TRADEMARK OFFICE</b>  <b>JUN 05 2003</b> </div> </div>				ATTY. DOCKET NO. 44046.203.235		SERIAL NO. 10/087,662	
				APPLICANT Hartig et al.			
				FILING March 1, 2002		GROUP 1772	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
GBL	4,859,532	22 Aug. 1989	Oyama et al.	428	336		
GBL	4,894,290	16 Jan. 1990	Chesworth et al.	428	426		
GBL	4,902,081	20 Feb. 1990	Huffer	350	1.7		
GBL	4,946,712	7 Aug. 1990	Goodman et al.	427	166		
GBL	4,996,105	26 Feb. 1991	Oyama et al.	428	336		
GBL	5,000,528	19 Mar. 1991	Kawakatsu	350	1.7		
GBL	5,135,808	4 Aug. 1992	Kimock et al.	428	336		
GBL	5,153,054	6 Oct. 1992	Depauw et al.	428	216		
GBL	5,168,003	1 Dec. 1992	Proscia	428	216		
GBL	5,190,807	2 Mar. 1993	Kimock et al.	428	216		
GBL	5,268,217	7 Dec. 1993	Kimock et al.	428	216		

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
GBL	GB 2 186 001 A	5 Aug. 1987	GB	C23	C	X	
GBL	EP 0 343 695 B1	29 Nov. 1989	EP	C03	C	X	
GBL	DE 39 41 026 A1	12 July 1990	DE	C03	C		X
GBL	DE 39 06 374 A1	06 Sep. 1990	DE	C03	C		X
GBL	EP 0 275 662 B1	07 Nov 1990	EP	C03	C	X	

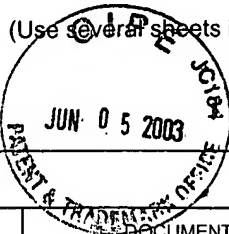
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

EXAMINER		DATE CONSIDERED
		12/13/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)					ATTY. DOKKE D. 44046.203.235		SERIAL NO. 10/ 087,662	
					APPLICANT Hartig et al.			
					FILING March 1, 2002		GROUP 1772	



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
GBL	5,279,722	18 Jan. 1994	Szczyrbowski et al.	204	192.27		
GBL	5,296,302	22 Mar. 1994	O'Shaughnessy et al.	428	472		
GBL	5,308,706	3 May 1994	Kawaguchi et al.	428	426		
GBL	5,318,685	7 Jun. 1994	O'Shaughnessy et al.	204	192.27		
GBL	5,328,768	12 Jul. 1994	Goodwin	428	428		
GBL	5,337,191	9 Aug. 1994	Austin	359	885		
GBL	5,372,874	13 Dec. 1994	Dickey et al.	428	216		
GBL	5,411,794	02 May. 1995	Kawaguchi et al.	428	216		
GBL	5,505,989	09 Apr. 1996	Jenkinson	427	166		
GBL	5,508,092	16 Apr. 1996	Kimock et al.	428	216		
GBL	5,510,173	23 Apr. 1996	Pass et al.	428	216		

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
GBL	DE 39 42 990 A1	20 Jun. 1991	DE	G02	B		X
GBL	WO 91/10564	25 Jul. 1991	WO	B32	B		X
GBL	WO 91/14016	19 Sep. 1991	WO	C23	C		X
GBL	EP 0 464 701 A2	08 Jan. 1992	EP	G02	B		X
GBL	EP 0 303 109 B1	18 Mar. 1992	EP	C03	C		X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

EXAMINER	DATE CONSIDERED
	12/13/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)				ATTY. DOKER D. 44046.203.235		SERIAL NO. 10/ 087,662	
				APPLICANT Hartig et al.			
				FILING March 1, 2002		GROUP 1772	

OFFICE  
 JUN 05 2003  
 PATENT & TRADEMARK

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
GBR	5,520,996	28 May 1996	Balian et al.	428	216		
GBR	5,578,103	26 Nov. 1996	Araujo et al.	65	60.5		
GBR	5,580,364	03 Dec. 1996	Goodman, et al.	65	60.2		
GBR	5,635,245	03 Jun. 1997	Kimock et al.	427	249		
GBR	5,637,353	10 Jun. 1997	Kimock et al.	427	255.3		
GBR	5,688,585	18 Nov. 1997	Lingle et al.	428	216		
GBR	5,718,980	17 Feb. 1998	Koch et al.	428	428		
GBR	5,745,291	28 Apr. 1998	Jenkinson	359	586		
GBR	5,749,931	12 May 1998	Goodman, et al.	65	60.1		
GBR	5,756,192	26 May 1998	Crawley et al.	428	216		
GBR	5,763,063	9 Jun. 1998	Pass et al.	428	216		

RECEIVED  
 JUN 09 2003  
 GROUP 1700

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
GBR		EP 0 543 077A1	26 May 1993	EP	C03	C		X
GBR		DE 42 11 363 A1	07 Oct. 1993	DE	C23	C		X
GBR		CA 2,115,320	12 Aug. 1994	CA	G02	B		X
GBR		EP 0 622 645 A1	02 Nov. 1994	EP	G02	B	X	
GBR		EP 0 636 587 A2	01 Feb. 1995	EP	C03	C		X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

EXAMINER		DATE CONSIDERED	12/13/03
----------	--	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)					ATTY. DOKKE D. 44046.203.235		SERIAL NO. 10/ 087,662	
					APPLICANT Hartig et al.			
					FILING March 1, 2002		GROUP 1772	

OIPE  
 JUN 05 2003  
 PATENT & TRADE

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
GBL	5,834,103	10 Nov. 1998	Bond et al.	428	216		
GBL	5,876,854	02 Mar. 1999	Kawazu et al.	428	428		
GBL	5,891,556	06 Apr. 1999	Anderson et al.	428	216		
GBL	5,935,702	10 Aug. 1999	Macquart et al.	428	336		
GBL	5,938,958	17 Aug. 1999	Goodman, et al.	219	219		
GBL	5,962,115	5 Oct. 1999	Zmelty et al.	428	216		
GBL	5,976,678	02 Nov. 1999	Kawazu et al.	428	208		
GBL	6,001,485	14 Dec. 1999	Kobayashi et al.	428	428		
GBL	6,007,901	28 Dec. 1999	Maschwitz et al.	428	216		
GBL	6,045,896	4 Apr. 2000	Boire et al.	428	216		
GBL	6,060,178	9 May 2000	Krisko	428	627		

RECEIVED  
 JUN 09 2003  
 GROUP 1700

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
GBL	WO 95/13189	18 May 1995	WO	B32	B	X	
GBL	EP 0 718 250 A2	26 Jun. 1996	EP	C03	C		X
GBL	EP 0 722 913 B1	24 Jul. 1996	EP	C03	C	X	
GBL	EP 0 583 871 B1	13 Nov. 1996	EP	C03	C	X	
GBL	EP 0 761 618 A1	12 Mar. 1997	EP	C03	C		X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

EXAMINER <i>BS Bill Enders</i>	DATE CONSIDERED <i>12/13/03</i>
--------------------------------	---------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)				ATTY. DOCKET NO. 44046.203.235		SERIAL NO. 10/ 087,662	
				APPLICANT Hartig et al.			
				FILING March 1, 2002		GROUP 1772	

JUN 05 2003  
 RECEIVED

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
GBR	6,068,914	30 May 2000	Boire et al.	428	216		
GBR	6,071,623	06 Jun. 2000	Sugawara et al.	428	428		
GBR	6,086,210	11 Jul. 2000	Krisko et al.	359	883		
GBR	6,090,481	18 Jul. 2000	Depauw et al.	428	336		
GBR	6,139,969	31 Oct. 2000	Finley	428	432		
GBR	6,210,784	3 Apr. 2001	Rondeau et al.	428	212		
GBR	6,231,999	15 May 2001	Krisko	428	627		
GBR	A 6,316,111	13 Nov. 2001	Krisko	428	434		
GBR	6,322,881	27 Nov. 2001	Boire et al.	428	216		
GBR	6,524,688	25 Feb. 2003	Eby et al.	428	216		
GBR	US 2002/0102352	1 Aug. 2002	Hartig et al.	427	165	Dec. 1, 2000	

RECEIVED  
 JUN 09 2003  
 GROUP 1700

FOREIGN PATENT DOCUMENTS								
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
GBR	DE 195 33 053 C1	17 Apr. 1997	DE	C03	C		X	
GBR	WO 97/48649	24 Dec. 1997	WO	C03	C	X		
GBR	EP 0 747 330 B1	07 Apr. 1999	EP	C03	C		X	
GBR	WO 00/32530	8 June 2000	WO	C03	C	X		
GBR	WO 01/44131	01 Dec. 2000	WO	C03	C	X		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

EXAMINER		DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

12/13/03

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)				ATTY. DOCKET NO. 44046.203.235		SERIAL NO. 10/ 087,662	
				APPLICANT Hartig et al.			
				FILING March 1, 2002		GROUP 1772	

PIPE  
 JUN 05 2003  
 U.S. PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	

RECEIVED  
 JUN 09 2003  
 GROUP 1700

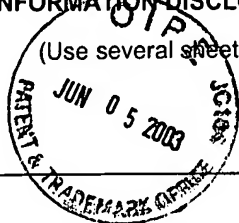
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
GER	JP 11157881	22 Dec. 1997	JP				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER		DATE CONSIDERED
		12/13/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



ATTY. DOCKET NO.  
44046.203.235

SERIAL NO.  
10/087,662

APPLICANT  
Hartig et al.

FILING  
March 1, 2002

GROUP  
1772

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GBR	3,885,855	27 May 1975	Gross	350	1	
GBR	4,019,887	26 Apr. 1977	Kirkbride et al.	65	60	
GBR	4,045,125	30 Aug. 1977	Farges	350	166	
GBR	4,100,330	11 Jul. 1978	Donley	428	429	
GBR	4,188,444	12 Feb. 1980	Landau	428	428	
GBR	4,188,452	12 Feb. 1980	Groth	428	336	
GBR	4,462,883	31 Jul. 1984	Hart	204	192	
GBR	4,485,146	27 Nov. 1984	Mizuhashi et al.	428	428	
GBR	4,610,771	9 Sep. 1986	Gillery	204	192.1	
GBR	4,773,717	27 Sep. 1988	Pai et al.	350	3.7	
GBR	4,847,157	11 Jul. 1989	Goodman et al.	428	426	

RECEIVED  
JUN 09 2003  
GROUP 1700

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
GBR	GB 2 031 756 A	20 Oct. 1978	GB	B05	D	X	
GBR	GB 2 129 831 A	20 Sep. 1983	GB	C23	C	X	
GBR	GB 2 126 256 A	21 Mar. 1984	GB	C23	C	X	
GBR	EP 0 104 870 A2	04 Apr. 1984	EP	C03	C	X	
GBR	WO 84/02128	7 Jun. 1984	WO	C03	C	X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*[Signature]*

DATE CONSIDERED

*12/13/03*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.